CLAIMS

1. A motor having a gear housing integrally assembled together with a motor portion, wherein the gear housing encloses a speed-reduction mechanism for reducing a rotational speed of the motor portion and receives a circuit board therein, the motor characterized

in that the gear housing has:

an opening portion facing the motor portion;

a board-installing portion to hold the circuit board inserted through the opening portion and along an axial direction of the motor portion; and

a cover member to block the opening portion, and

in comprising a restriction member fixed inside of the opening portion and restricting the circuit board from moving to a counter-insertion side thereof in the axial direction, the restriction member is installable at a predetermined position in which the restriction member is limited from contacting with the cover member in the axial direction.

2. The motor according to the Claim 1, wherein:

the gear housing is formed in a planiform shape; and

a direction of a plane of the circuit board is disposed along a planiform direction of the gear housing.

3. The motor according to the Claim 2, wherein the restriction member is disposed at approximately center portion of the circuit board in the planiform direction of the gear housing.

4. The motor according to any one of Claims 1 to 3, wherein:

the gear housing is provided with a first attachment portion and a second

attachment portion to interpose the circuit board therebetween in a direction perpendicular to a direction of a plane of the circuit board; and

the restriction member is fixed to span a clearance between the first attachment portion and the second attachment portion.

5. The motor according to any one of Claims 1 to 4, wherein the restriction member has a holding portion holding the circuit board in a direction perpendicular to a direction of a plane of the circuit board.

6. The motor according to Claim 5, wherein the restriction member is formed to have an elastic force at least in the direction perpendicular to the direction of the plane of the circuit board and attached to the gear housing to generate the elastic force.